RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	09/765.555C
Source:	1FW/6,
Date Processed by STIC:	3/15/06

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 03/15/2006
PATENT APPLICATION: US/09/765,555C TIME: 11:14:37

Input Set : E:\27801-20014.20 - Substitute Seqlist (2).txt

Output Set: N:\CRF4\03152006\1765555C.raw

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3 <110> APPLICANT: BARBAS, Carlos
        STEGE, Justin
        GUAN, Xueni
5
        DALMIA, Bipin
 8 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS TO MODULATE
        EXPRESSION IN PLANTS
11 <130> FILE REFERENCE: 27801-20014.20
13 <140> CURRENT APPLICATION NUMBER: 09/765,555C
14 <141> CURRENT FILING DATE: 2001-01-19
16 <150> PRIOR APPLICATION NUMBER: 09/620,897
17 <151> PRIOR FILING DATE: 2000-07-21
19 <150> PRIOR APPLICATION NUMBER: US 60/177,468
20 <151> PRIOR FILING DATE: 2000-01-21
22 <160> NUMBER OF SEQ ID NOS: 79
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27 <211> LENGTH: 532
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial Sequence
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32 <223> OTHER INFORMATION: Promoter CsVMV
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36 acgggaaaaa ctatggaagt attatgtgag ctcagcaaga agcagatcaa tatgcggcac
                                                                          120
37 atatgcaacc tatgttcaaa aatgaagaat gtacagatac aagatcctat actgccagaa
                                                                          180
38 tacgaagaag aatacgtaga aattgaaaaa gaagaaccag gcgaagaaaa gaatcttgaa
                                                                          240
                                                                          300
39 gacgtaagca ctgacgacaa caatgaaaag aagaagataa ggtcggtgat tgtgaaagag
                                                                          360
40 acatagagga cacatgtaag gtggaaaatg taagggcgga aagtaacctt atcacaaagg
41 aatcttatcc cccactactt atccttttat atttttccqt qtcatttttg cccttgagtt
                                                                          420
42 ttcctatata aggaaccaag ttcggcattt gtgaaaacaa gaaaaaattt ggtgtaagct
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43 attttctttg aagtactgag gatacaactt cagagaaatt tgtaagtttg ta
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46 <211> LENGTH: 18
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Zinc finger protein 2C7 binding site
53 <400> SEQUENCE: 2
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56 <210> SEQ ID NO: 3
57 <211> LENGTH: 51
58 <212> TYPE: DNA
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62 <223> OTHER INFORMATION: Promoter pc7rbTATA
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70 <213> ORGANISM: Artificial Sequence
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73 <223> OTHER INFORMATION: pND3008 coding region
75 <400> SEQUENCE: 4
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77 aaattaccac atatttttt tgtcacactt gtttgaagtg cagtttatct atctttatac
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78 atatatttaa actttactct acgaataata taatctatag tactacaata atatcagtgt
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79 tttagagaat catataaatg aacagttaga catggtctaa aggacaattg agtattttga
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80 caacaggact ctacagtttt atctttttag tgtgcatgtg ttctcctttt tttttgcaaa
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81 tagcttcacc tatataatac ttcatccatt ttattagtac atccatttag ggtttagggt
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82 taatggtttt tatagactaa tttttttagt acatctattt tattctattt tagcctctaa
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83 attaagaaaa ctaaaactct attttagttt ttttatttaa taatttagat ataaaataga
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84 ataaaataaa gtqactaaaa attaaacaaa taccctttaa gaaattaaaa aaactaagga
85 aacatttttc ttqtttcqaq tagataatqc cagcctgtta aacgccgtcg acgagtctaa
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88 getgteggea tecagaaatt gegtggegga geggeagaeg tgageeggea eggeaggegg
89 cetectecte eteteaegge aeggeageta egggggatte ettteeeaee geteettege
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90 tttcccttcc tcgcccgccg taataaatag acacccctc cacaccctct ttccccaacc
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91 tegtgttgtt eggagegeae acacacacaa ceagatetee eecaaateca eeegteggea
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92 ceteogette aaggtaegee getegteete eeceeecee cetetetaee ttetetagat
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93 cggcqttccg gtccatggtt agggcccggt agttctactt ctgttcatgt ttgtgttaga
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94 teegtgtttg tgttagatee gtgetgetag egttegtaca eggatgegae etgtaegtea
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95 gacacgttct gattgctaac ttgccagtgt ttctctttgg ggaatcctgg gatggctcta
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96 qccqttccqc aqacqqgatc gatttcatga ttttttttgt ttcgttgcat agggtttggt
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99 tagaattctg tttcaaacta cctggtggat ttattaattt tggatctgta tgtgtgtgcc
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103 tcaaactacc tggtgtattt attaattttg gaactgtatg tgtgtgtcat acatcttcat
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104 agttacgagt ttaagatgga tggaaatatc gatctaggat aggtatacat gttgatgtgg
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105 gttttactga tgcatataca tgatggcata tgcagcatct attcatatgc tctaaccttg
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106 aqtacctatc tattataata aacaaqtatq ttttataatt attttqatct tgatatactt
107 ggatgatggc atatgcagca gctatatgtg gattttttta gccctgcctt catacgctat
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108 ttatttgctt ggtactgttt cttttgtcga tgctcaccct gttgtttggt gttacttctg
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109 caggtcgact ctagaggatc tatggcccag gcggccctcg agctccccta tgcttgccct
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110 qtcqaqtcct qcqatcqccq cttttctaag tcgqctgatc tgaagcgcca tatccgcatc
111 cacacaqqcc aqaaqccctt ccaqtqtcga atatqcatqc qtaacttcag tcgtagtgac
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112 caccttacca cccacatccg cacccacaca ggcgagaagc cttttgcctg tgacatttgt
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113 gggaggaagt ttgccaggag tgatgaacgc aagaggcata ccaaaatcca taccggtgag
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115 aagcgccata tccgcatcca cacaggccag aagcccttcc agtgtcgaat atgcatgcgt
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116 aacttcagtc gtagtgacca ccttaccacc cacatccgca cccacacagg cgagaagcct
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117 tttgcctgtg acatttgtgg gaggaagttt gccaggagtg atgaacgcaa gaggcatacc
118 aaaatccatt taagacagaa ggactctaga actagtggcc aggccggcca ggctagcccg
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119 aaaaagaaac gcaaagttgg gcgcgccgac gcgctggacg atttcgatct cgacatgctg
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120 ggttctgatg ccctcgatga ctttgacctg gatatgttgg gaagcgacgc attggatgac
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121 tttgatctgg acatgctcgg ctccgatgct ctggacgatt tcgatctcga tatgttaatt
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122 aactacccgt acgacgttcc ggactacgct tcttgagaat tcgcggccgc gggcccgagc
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123 ctaqqqaqqa gctcaaqatc ccccqaattt ccccqatcgt tcaaacattt ggcaataaag
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124 tttcttaaga ttgaatcctg ttgccggtct tgcgatgatt atcatctaat ttctgttgaa
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125 ttacgttaag catgtaataa ttaacatgta atgcatgacg ttatttatga gatgggtttt
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126 tatgattaga gtcccgcaat tatacattta atacgcgata gaaaacaaaa tatagcgcgc
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128 c
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135 <220> FEATURE:
136 <223> OTHER INFORMATION: pND3018 coding redion
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140 aaattaccac atatttttt tgtcacactt gtttgaagtg cagtttatct atctttatac
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141 atatatttaa actttactct acqaataata taatctataq tactacaata atatcaqtqt
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                                                                         240
142 tttagagaat catataaatg aacagttaga catggtctaa aggacaattg agtattttga
143 caacaggact ctacagtttt atcttttag tgtgcatgtg ttctcctttt tttttgcaaa
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147 ataaaataaa gtgactaaaa attaaacaaa taccctttaa gaaattaaaa aaactaagga
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150 atctctgtcg ctgcctctgg acccctctcg agagttccgc tccaccgttg gacttgctcc
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151 gctgtcggca tccagaaatt gcgtggcgga gcggcagacg tgagccggca cggcaggcgg
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152 cctcctcctc ctctcacggc acggcagcta cgggggattc ctttcccacc gctccttcgc
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156 cggcgttccg gtccatggtt agggcccggt agttctactt ctgttcatgt ttgtgttaga
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163 atacatattc atagttacga attgaagatg atggatggaa atatcgatct aggataggta
164 tacatgttga tgcgggtttt actgatgcat atacagagat gctttttgtt cgcttggttg
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168 gttttactga tgcatataca tgatggcata tgcagcatct attcatatgc tctaaccttg
169 aqtacctatc tattataata aacaagtatg ttttataatt attttgatct tgatatactt
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170 qqatqatqqc atatqcaqca qctatatgtq gattttttta gccctgcctt catacqctat
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171 ttatttqctt qqtactqttt cttttqtcqa tqctcaccct gttgtttggt qttacttctg
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172 caqqtcqact ctaqaqqatc cactaqtqaq ccatqqqcta gcatqqccqc tgccqtgcgc
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173 atgaacatcc agatgctgct cgaagccgct gattatctgg aacgccggga gcgcgaagcc
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174 gagcacggct acgccagcat gctgccatat ccgaaaaaga aacgcaaggt ggcccaggcg
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175 geoetegage teceetatge ttgeeetgte gagteetgeg ategeegett ttetaagteg
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176 getgatetga agegecatat cegeateeac acaggecaga agecetteea gtgtegaata
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177 tgcatgcgta acttcagtcg tagtgaccac cttaccaccc acatccgcac ccacacaggc
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179 aggcatacca aaatccatac cggtgagaag ccctatgctt gccctgtcga gtcctgcgat
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181 cccttccagt gtcgaatatg catgcgtaac ttcagtcgta gtgaccacct taccacccac
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183 aggagtgatg aacgcaagag gcataccaaa atccatttaa gacagaagga ctctagaact
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184 agtggccagg ccggccagta cccgtacgac gttccggact acgcttcttg aaagcttggt
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185 accgageteg gateceeega attteeeega tegtteaaac atttggeaat aaagtttett
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186 aagattgaat cctgttgccg gtcttgcgat gattatcatc taatttctgt tgaattacgt
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187 taagcatgta ataattaaca tgtaatgcat gacgttattt atgagatggg tttttatgat
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188 tagagtcccg caattataca tttaatacgc gatagaaaac aaaatatagc gcgcaaacta
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195 <213> ORGANISM: Artificial Sequence
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198 <223> OTHER INFORMATION: 6X2C7 binding site
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202 ggcggcgtgg gcgactagtg ctagcgcgtg ggcggcgtgg gcgaacaagc gtgggcggcg
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203 tgggcgaaca agcgtgggcg gcgtgggcga ctagtg
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205 <210> SEQ ID NO: 7
206 <211> LENGTH: 18
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
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211 <223> OTHER INFORMATION: ZFPAp3
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217 <211> LENGTH: 21
218 <212> TYPE: DNA
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221 <220> FEATURE:
222 <223> OTHER INFORMATION: ZFP from -85 to -65
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Input Set : E:\27801-20014.20 - Substitute Seqlist (2).txt

Output Set: N:\CRF4\03152006\I765555C.raw

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protein ZFPm1

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VERIFICATION SUMMARY

DATE: 03/15/2006

PATENT APPLICATION: US/09/765,555C

TIME: 11:14:38

Input Set : $E:\27801-20014.20$ - Substitute Seqlist (2).txt

Output Set: N:\CRF4\03152006\I765555C.raw